

Figure 1

The field state and the fi

201	76 Box Rd Townsville QLD
202	PO Box 92 Geelong VIC
203	39 Main St Box Hill VIC
204	8 Box Ave Devonport TAS
205	Cnr Box and Wolger Rds Townsville QLD
206	76 Box St Townsville NSW
207	231 Box Road Townsville QLD
208	53 3rd Ave, Townsville 4321 QLD
209	35 Third Avenue, Townsville Queensland 4321
210	333 Mt Pleasant Road, Springvale
211	191 Springvale Road, Mt Pleasant
212	123 Sydney Ave, Melbourne VIC

And the state of t

Figure 2

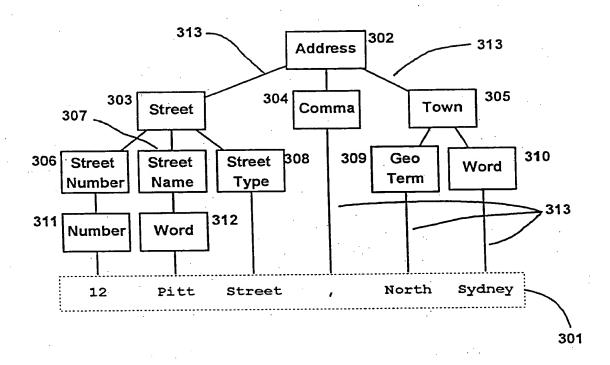
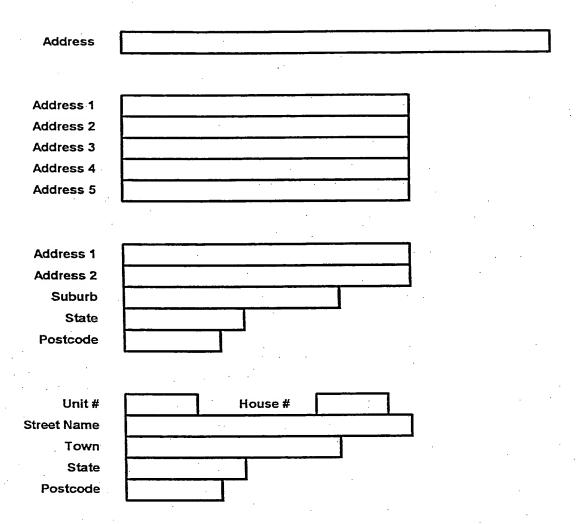


Figure 3

And The Wall William and the Control of the Control



The state of the s

Figure 4

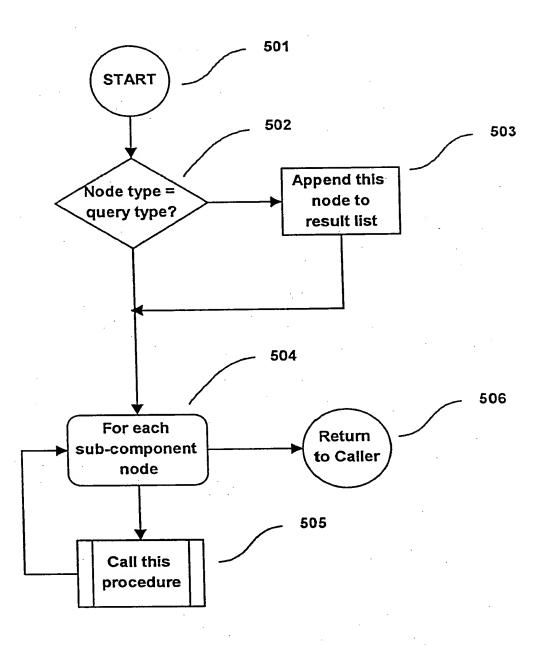


Figure 5

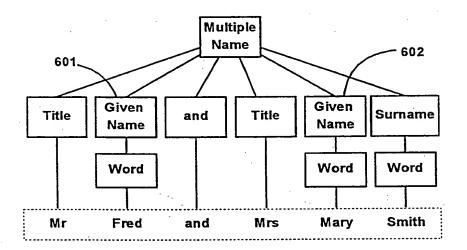


Figure 6

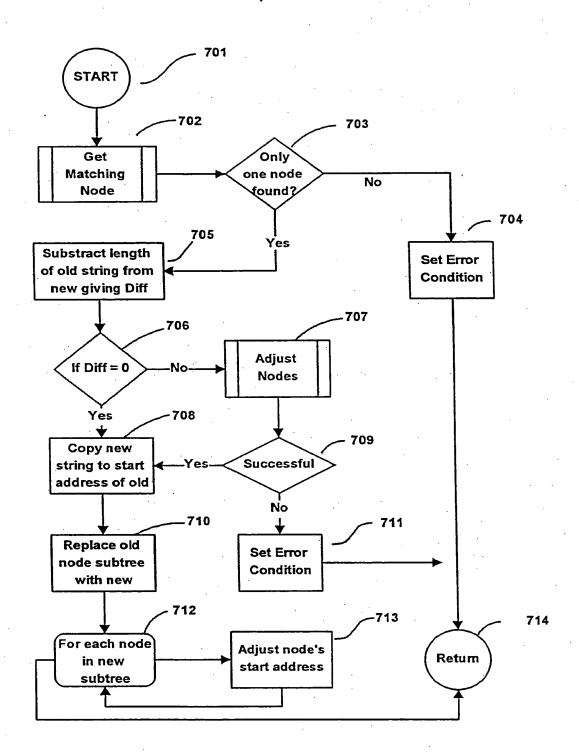


Figure 7

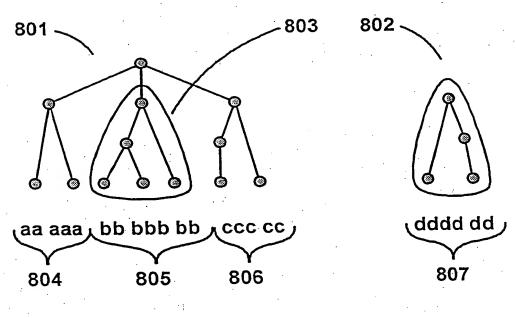


Figure 8

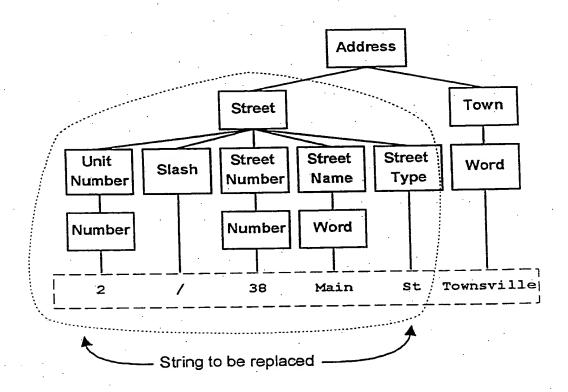


Figure 9

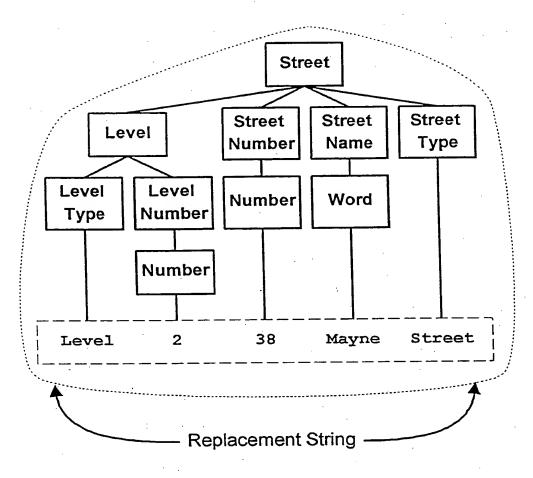


Figure 10

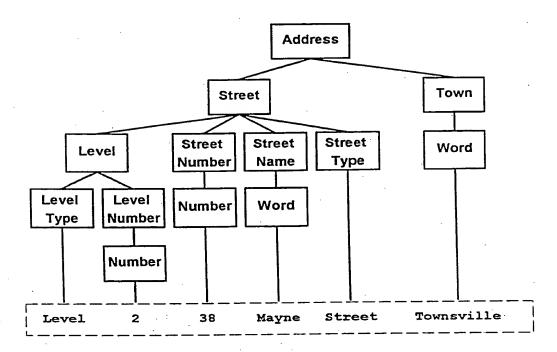
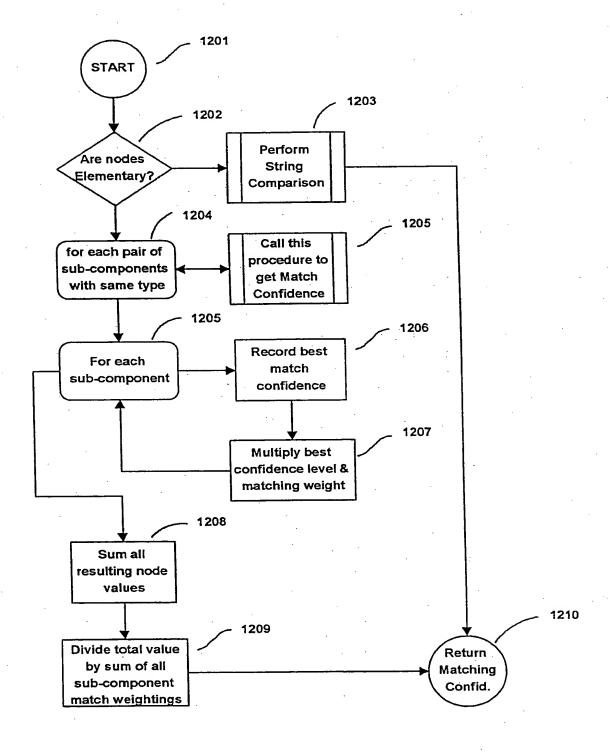


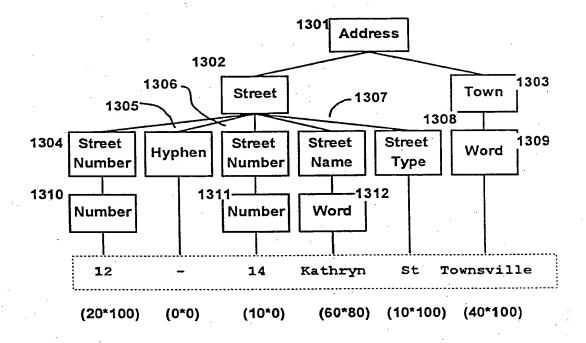
Figure 11

delth, feeth, geeth, greek, greek, greek, ga geeth, geeth, geeth, geeth, meit, greek, meit, greek, meit, geeth, ge



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Figure 12



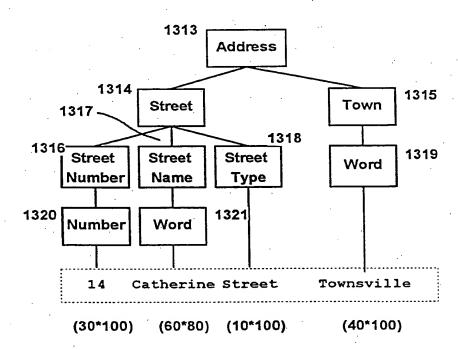


Figure 13

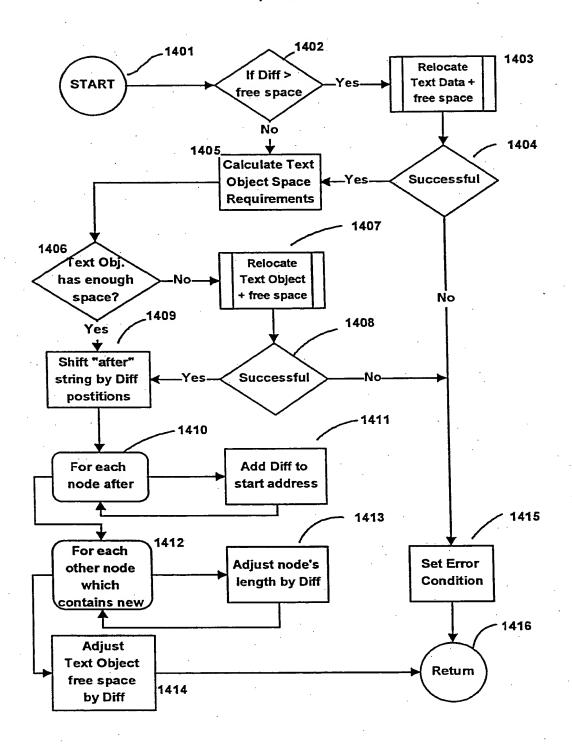
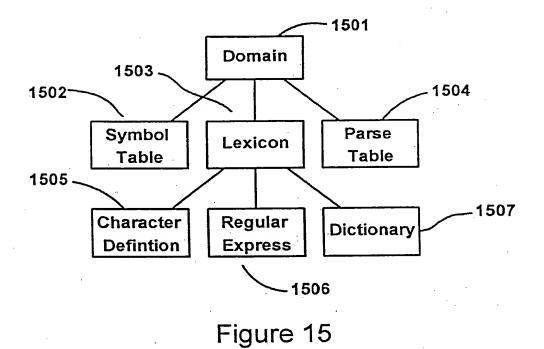


Figure 14

中部門 海洲 经工程的 医多种性结果



1605 Character Definition 1602 -Construct Domain Domain Object Process Regular Expression -1604 Save & Load 1603 -Grammar 1607 -1605 Free-format 1606 Data Domain Object Text Object Attribute Type Name 1608 -

Figure 16

# Standard Japanese Katakana Transliteration

aア	1 イ	uウ	e エ	。才
ka力	ki キ	ku ク	keケ	ko⊐
sa+}	si	suス	se E	so
ta	tiチ	tu	te	to F
na	· ni	nuヌ	ne	noノ
ha	hi ヒ	huフ	he^_	ho
maマ	mi	muA	me×	mo <del>T</del>
yaヤ		yuユ		yo∃
га	ri	ru .	re V	ro
waワ	wi		wer	woヲ
ga	gi	gu	ge	go
za	zi	zu	ze	zo
da	di	du	de	do
ba	bi	bu	be	bo
pa	pi pi	pu	pe	ро
n				

# Standard Greek Transliteration

A	α	а	I	ι	i	P	ρ	Г
В	β	٧	К	κ	k	Σ	σ	s
Γ	γ	9	٨	λ	ţ	Т	τ	t
Δ	δ	d	М	μ	m	Y	υ	u
Е	ε	е	N	v	n	Φ	ф	f.
z	ζ	z	Ξ	ξ	×	х	χ	ch
Н	η	i	0	0	0	Ψ	Ψ	ps
Θ	θ	th	П	π	р	Ω	ώ	0

Figure 17

# AND THE REAL PROPERTY AND THE PARTY AND THE

# Sample Regular Expression Definition

		Action	alpha	digit	symbol	space	end of line	end of string
0	Error	0	•		•			
. 1	start	1	3	9	13	1	16	18
2	empty	. 4	·					
3	Initial	2 .	6	5	5 .	4 .	5	5
4	Initial space+	3	5	5	5	4	5	5
5	Initial *space	5						
6	Word+	2	6	8	<b>8</b> .	7	8	8 .
7	Word+ space	3	8	8	8	7	8	8
8	Word+ *space	<b>7</b> ,				•	•	
9	0-9	2	12	10	12	11	12	12
10.	0-9+	2	12	10	12	11	12	12
11	0-9+ space	. 3	. 12	12	12	11	12	12
.12	0-9+ ^space	8				-		
13	sym	.2	15	15	15	14	15	15
14	sym space	3	15	15	15	14	15	15
15	sym ^space	10						
16	eol+ space*	3	17	17	17	16	16	18
17	eoi+ ^space	11			•			
18	eoi	. 9	0	. 0	0	0	0	0

** Action	Action Description
0	Error in Table
1	Bypass leading spaces
2	Append this character to character buffer
3	Append trailing space to character buffer
4	Empty string
5	Create "initial" token; go back 1 char, set state to 1
7	Create "word" token; go back 1 char, set state to 1
8	Create "number" token; go back 1 char, set state to 1
9	Create "end of input" token; go back 1 char; set state to 1
10	Create "symbol" token; go back 1 char; set state to 1
11	Create "end of line" token; go back 1 char; set state to 1

Figure 18

i. €4.

```
Address
 -> StreetAddr, Town Zipcode State
   | PostBox, Town Zipcode State ;
StreetAddr
 -> Street
   | StreetNum Street
   | AptType AptNum StreetNum Street
   | StreetNum Street AptType AptNum ;
Street
 -> StreetName StreetType StreetDir
                                             :-2
   | StreetName StreetType ;
  -> word | word word ;
StreetNum -> nbr ;
AptNum -> nbr ;
StreetType
  -> "Ave"
             | "Avenue"
                          ("Ave")
             | "Road"
   | "Rd"
                          ("Rd")
   | "St"
              | "Street"
                          ("St") ;
StreetDir
  -> Geo ;
Geo
  -> "North" | "N" ("North")
   | "South" | "S" ("South")
   | "East"
             | "E" ("East")
    | "West"
              | "W" ("West") ;
AptType
  -> "Apt" | "Apartment"
    | "Unit"
    | "Suite" | "Ste" ;
 2ipcode
   -> 99999
              1 99999 "-" 9999 ;
 PostBox
  -> PostPref PostBoxNum ;
                                             =-9=
 PostPref
   -> "PO Box" | "Box" ;
 PostBoxNum
   -> nbr | nbr A | A nbr ;
 Town
   -> word | word word
    | Geo word | Geo word word ;
 State
   -> "ALABAMA"
                     ("AL") | "AL"
    | "ALASKA"
                     ("AK") | "AK"
    | "ARI ZONA"
                     ("AZ") | "AZ"
    | "ARKANSAS"
                     ("AR") | "AR"
    | "CALIFORNIA"
                     ("CA") | "CA" ;
```

### Special Symbols:

Consists of
Or
Rule terminator
Matching ·
equivalence
Matching
Significance
Adjustment
Zero Matching
Significance
Parsing
Significance
Adjustment

### Reserved Words:

word	one or more letters
nbr	one or more digits
A	one letter
9	one digit
•	comma or nothing

Figure 19

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The state of the s

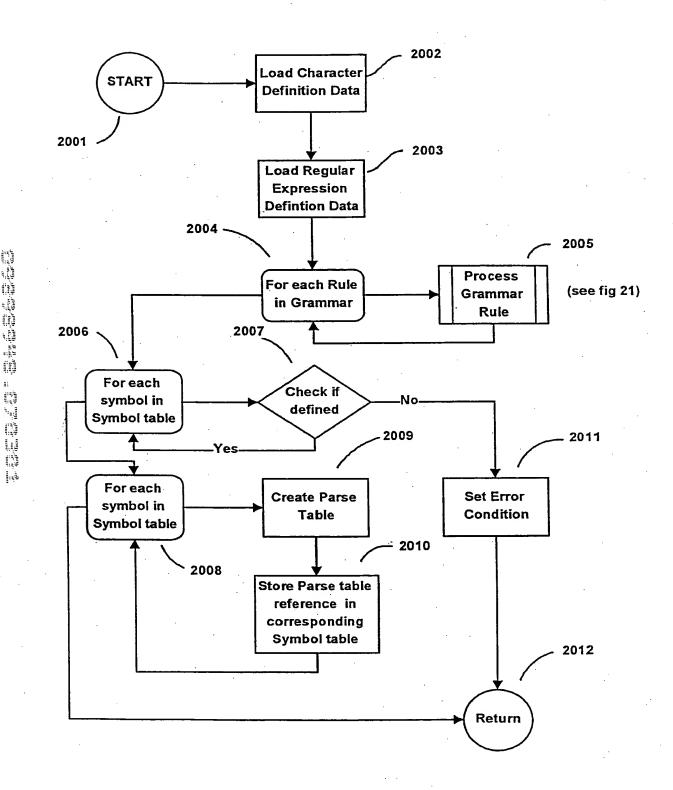
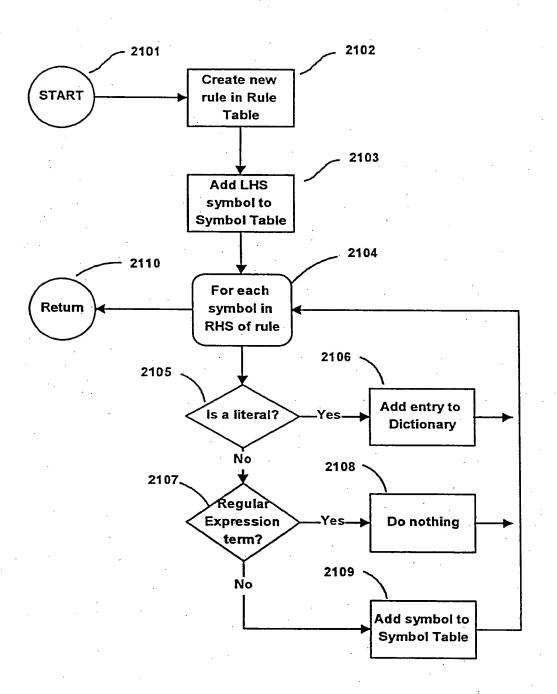


Figure 20



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Figure 21

1-0 00

## SQL Database Implementation Example

```
CREATE DOMAINOBJECT US ADDRESS ;
1.
2.
    UPDATE US ADDRESS
       SET LANGUAGE = EXTERNAL 'Path/English.txt',
           GRAMMAR = EXTERNAL 'Path/US_Addr.txt' ;
     CREATE TEXTOBJECT ADDRESS ;
З.
4.
     UPDATE US_ADDRESS
       SET DOMAIN = US ADDRESS,
           TYPE = "Address";
5.
     CREATE TABLE PERSONS (
     Name
                      CHAR (20),
       Home Addr
                      ADDRESS ) ;
     INSERT INTO PERSONS ( Name, Home_Addr )
       VALUES (
         "John Smith",
         "123 Cathy Street, Apt 5, Huntsvale, CA, 98765");
7.
     SELECT FROM PERSONS
       WHERE Home_Addr = "Unit 5 123 Cathy St, Huntsvale, CA";
8.
     SELECT FROM PERSONS
       WHERE Home Addr.State = "California";
     SELECT FROM PERSONS
 9.
       WHERE Home Addr.Street MATCHES "Kathie St" > 0.80;
```

### New Reserved Words:

DOMAINOBJECT, TEXTOBJECT, LANGUAGE, GRAMMAR, TYPE, MATCHES